

DERWENT-ACC-NO: 2000-258395

DERWENT-WEEK: 200023

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TITLE: Scalp treatment composition, comprises suspension of comforted in vodka, useful for treating alopecia, dandruff and skin cancer and cleaning skin

PATENT-ASSIGNEE: SCHILLING J G[SCHII]

PRIORITY-DATA: 1999DE-2017088 (September 29, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
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DE 29917088 U1	March 30, 2000	N/A	006	A61K 035/78
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
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DE 29917088U1	N/A	1999DE-2017088	September 29, 1999
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INT-CL (IPC): A61K007/06; A61K007/48 ; A61K035/78

ABSTRACTED-PUB-NO: DE 29917088U

BASIC-ABSTRACT: NOVELTY - A scalp treatment composition (I) comprises a suspension of chopped or crushed comfrey (*Symphytum officinale* L.) plant components in vodka.

ACTIVITY - Dermatological; antialopecia; antidandruff; cytostatic.

MECHANISM OF ACTION - None given.

USE - (I) is useful for treating scalp disorders, specifically alopecia, dandruff and skin cancer. It has a healing effect, and normalizes the scalp and hair growth.

ADVANTAGE - (I) is more effective than extracts of comfrey obtained using pure alcohols, and does not irritate the skin. As well as its therapeutic effects, (I) has a cleaning effect on the skin and hair, and converts brittle hair into a readily styled form.

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: B04 D21

CPI-CODES: B04-A10; B10-E04D; B14-H01; B14-N17; B14-R02; D08-B03; D08-B09A;

----- KWIC -----

Basic Abstract Text - ABTX:

USE - (I) is useful for treating scalp disorders, specifically alopecia, dandruff and skin cancer. It has a healing effect, and normalizes the scalp and hair growth.

Basic Abstract Text - ABTX:

ADVANTAGE - (I) is more effective than extracts of comfrey obtained using pure alcohols, and does not irritate the skin. As well as its therapeutic effects, (I) has a cleaning effect on the skin and hair, and converts brittle hair into a readily styled form.

DERWENT-ACC-NO: 2001-151401  
DERWENT-WEEK: 200116  
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TITLE: Hair restoration and hair growth agent contains alcohol as active ingredient which is mixed with lemon, aloe, and or coix extracts

PATENT-ASSIGNEE: YAMADA H[YAMAI]

PRIORITY-DATA: 1999JP-0125166 (April 30, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2000319135 A	November 21, 2000	N/A	008	A61K 007/06

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP2000319135A	N/A	1999JP-0125166	April 30, 1999

INT-CL (IPC): A61K007/06

ABSTRACTED-PUB-NO: JP2000319135A

BASIC-ABSTRACT: NOVELTY - Hair restoration hair growth agent contains alcohol as active ingredient which is mixed with lemon, aloe, coix and/or lachryma-jobi extracts.

USE - For hair restoration and promoting hair growth.

ADVANTAGE - The hair restoration and hair growth agent promotes hair growth at bald portions of the head and forehead. Side effects such as rashes and inflammation are not observed when the agent is used.

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS:

HAIR RESTORATION HAIR GROWTH AGENT CONTAIN ALCOHOL ACTIVE

INGREDIENT MIX LEMON  
ALOE COIX EXTRACT

DERWENT-CLASS: B04 D21

CPI-CODES: B04-A08; B04-A09; B04-A10; B04-B01B; B10-E04; B14-R02;  
D08-B03;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M423 M431 M782 M905 N103 N104 N161 P930 Q252

Specific Compounds

A00GTK A00GTM

Chemical Indexing M1 \*02\*

Fragmentation Code

M423 M431 M782 M905 N103 N104 N161 P930 Q252

Specific Compounds

A0122K A0122M

Chemical Indexing M1 \*03\*

Fragmentation Code

M423 M431 M782 M905 N103 N104 N161 P930 Q252

Specific Compounds

A015VK A015VM

Chemical Indexing M2 \*04\*

Fragmentation Code

H4 H401 H481 H8 M210 M212 M272 M281 M320 M416

M423 M431 M620 M782 M904 M905 M910 N103 N104 N161

P930 Q252

Specific Compounds

00245K 00245M

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# PATENT ABSTRACTS OF JAPAN

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A61K 7/06

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(21)Application number : 11-125166

(71)Applicant : YAMADA HIDEO

(22)Date of filing : 30.04.1999

(72)Inventor : YAMADA HIDEO

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(54) HAIR GROWER

~~(57)Abstract:~~

PROBLEM TO BE SOLVED: To provide a safe hair grower which has a sufficient effect for growing hair and does not cause various kinds of side effects such as rough skins, itching, dandruff, rash and inflammation.

SOLUTION: This hair grower is prepared by extracting or mixing the active ingredients of lemon and aloe with an alcohol, extracting or mixing the active ingredients of lemon, adlay and aloe with an alcohol, or extracting or mixing the active ingredients of lemon, adlay and aloe and further one or more ingredients selected from mugwort, perilla, black sesame, citron, Swertia japonica, ginger, rice bran, and glycerol with alcohol. The alcohol is KOU class alcohol or a drinkable alcohol.

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## LEGAL STATUS

[Date of request for examination] 31.08.2001

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[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

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[Patent number]

[Date of registration]

[Number of appeal against examiner's

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**CLAIMS**

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[Claim(s)]

[Claim 1] Hair fostering and the hair-growth agent characterized for the active principle of lemon and the aloe by extraction or/, and mixing at alcohol.

[Claim 2] Hair fostering and the hair-growth agent characterized for the active principle of lemon, Coix lacryma-joli, and the aloe by extraction or/, and mixing at alcohol.

[Claim 3] Hair fostering and the hair-growth agent characterized for any one or two or more active principles of sagebrush besides the active principle of lemon, Coix lacryma-joli, and the aloe, a beefsteak plant, black sesame, a yuzu citron, a sialid, ginger, rice bran, and a glycerol by extraction or/, and mixing at alcohol.

[Claim 4] Hair fostering and the hair-growth agent characterized by alcohol being alcohol suitable for shell alcohol or drink.

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[Translation done.]

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## DETAILED DESCRIPTION

[Detailed Description-of-the-Invention]

[0001]

[The technical field to which invention belongs] this invention relates to psilosis (bald head) portions, such as regio frontalis capitis of people's head, the parietal region, and regio occipitalis capitis, at hair fostering, and hair fostering and the hair-growth agent which can carry out hair growing.

[0002]

[Description of the Prior Art] A psilosis (bald head) of hair is a problem not only with a male but a serious woman. Therefore, from the former, various kinds of hair fostering or hair-growth agents are developed, and it is manufactured and sold.

[0003]

[Problem(s) to be Solved by the Invention] However, a conventional hair-fostering agent or a conventional hair-growth agent cannot fully promote hair fostering and hair growing, and there is that [ no ] whose satisfaction is possible. Although a conventional hair-fostering agent and a conventional hair-growth agent were based also on affinity with those who use it, the side effect that became, it was influenced or inflammation was caused [ \*\*\*\* / that the head becomes itching /, and ] that it is easy to come out of popping and pitting might arise. / that the scalp will be ruined if it is used

[0004]

[Means for Solving the Problem] The purpose of this invention has hair fostering and good hair-growing efficiency, does not have the above side effects, and is to offer safe hair fostering and hair-growth agent.

[0005] As a result of this artificer's continuing for years about a psilosis in advance of development of this invention and repeating research wholeheartedly, it used to check that there are various symptoms as it was called the state where there was nothing with the state where there are various symptoms also in a bald head and the radix pili is in the head, the state which is not, and the state where there is downy hair, and paying attention to the existence of these symptoms, this invention used to be further completed for research in piles.

[0006] the 1st hair fostering and hair-growth agent of this invention -- alcohol -- the active principle of lemon and the aloe -- extraction or/-- and it mixes

[0007] the 2nd hair fostering and hair-growth agent of this invention -- alcohol -- the active principle of lemon, Coix lacryma-joli, and the aloe -- extraction or/-- and it mixes

[0008] the 3rd hair fostering and hair-growth agent of this invention -- alcohol -- any one or 2 or more active principles of sagebrush besides the active principle of lemon, Coix lacryma-joli, and the aloe, a beefsteak plant, black sesame, a yuzu citron, a sialid, ginger, rice bran, and a glycerol -- extraction or/-- and it mixes

[0009] The 4th hair fostering and hair-growth agent of this invention make alcohol the alcohol suitable for shell alcohol or drink.

[0010]

[Embodiments of the Invention] (Raw material) In this invention, the various vegetation (raw material)

grown in the nature is put in two or more kinds into alcohol, a raw material is individually paid to shell alcohol, the component of the raw material is extracted, two or more sorts of these extracts are mixed [ the component of these raw materials is extracted or ], and it considers as hair fostering and a hair-growth agent.

[0011] The alcohol which is suitable for drink as alcohol used in this example, for example, shell alcohol, is suitable. The white distilled liquor marketed as drink fits shell alcohol. Since this kind of white distilled liquor is alcohol which used vegetation, such as barley, corn, \*\*, and \*\*\*\*\*, as the raw material, it does not have the bad influence or side effect over the skin. Shell alcohol makes the mothball of an extract possible by the germicidal action while extracting the component of the raw material paid to it. Although the frequency of shell alcohol can be chosen arbitrarily, the thing of about 21 - 22 degrees is suitable.

[0012] 1 in the root of the hide (pericarp) of lemon, the fruit (caryopsis) of Coix lacryma-joli, the leaf of the aloe (any of the KIDACHI aloe and AROEBERA are sufficient), the leaf (sagebrush or Artemisia capillaris is sufficient) of sagebrush, the leaf of a beefsteak plant, black sesame, the peel (pericarp) of a yuzu citron, a sialid (flower-season entire plant), and ginger, rice bran, a glycerol, etc. or 2 or more are used for a raw material. If required, raw materials other than these can also be used. The hide (pericarp) of lemon, the fruit (caryopsis) of Coix lacryma-joli, and the leaf of the aloe are surely added among these.

[0013] Essential oil (d-limonene, a citral, acetic-acid geraniol, etc.), pectin, a limonin (amaroid), a glycoside, a citronellal, a terpeneol, a hesperidin, etc. are contained in the hide (pericarp : yellow portion) of lemon. Among these, there is work which strengthens a capillary in a hesperidin. The hide of lemon has effect (work) as shown in Table 1 to hair and natural complexion.

[0014] the fruit (caryopsis) of Coix lacryma-joli -- starch, protein, a fat, ash content (Lynn, magnesium, a potassium, calcium, iron), a KOIKU SOL, and a carp -- peculiarity NORIDO, vitamin B1, etc. are contained. The component of this inner KOIKU SOL resembles aspirin, the metabolism of moisture is urged, blood is purified [ inflammation is calmed, or ], a stain and surface deterioration are cured, and there is work used as the beautiful skin with moderate grace. Furthermore, since a proteolytic enzyme (protease) is contained, there is also work which eliminates wastes and the cell which is not normal of the skin. The fruit (caryopsis) of Coix lacryma-joli has effect as shown in Table 1 to hair and natural complexion.

[0015] Within a human body, the essential amino acid (an arginine, a histidine, an isoleucine, a leucine, a lysine, a methionine, a phenylalanine, a threonine, tryptophan) which cannot be made, the amino acid concerning a protein metabolism, an anthrone glycoside, anthraquinone, etc. are contained in the leaf of the aloe (KIDACHI aloe and AROEBERA). Amino acid is required for reproduction restoration of a body organization. Furthermore, higher alcohol, such as iso barbaloin, aloin, barbaloin, aloe emodin, and beta-sitosterol, is also contained. Especially many these contents to the KIDACHI aloe are contained. The aloe has effect as shown in the \*\* table 1 for SHI at hair and natural complexion.

[0016] Essential oil, chlorophyll, various vitamins (A, B1, B-2, C, D, etc.), an enzyme, polysaccharide, a choline, \*\*, a mineral (a potassium, sodium, calcium, silicon, Lynn, iron, aluminum, magnesium, sulfur, chlorine), polysaccharide, etc. are abundantly contained in the leaf of sagebrush (Artemisia capillaris is included), and the effect of a medicine which was excellent also as an oral medicine also as a medicine for external application is shown in it. Since it has the property in which the polysaccharide contained in the leaf of sagebrush maintains moisture in external application, when attached to the skin, grace is kept long, and there is a use excellent in antipruritic, a bed sore, atopic dermatitis, etc. The leaf of sagebrush has effect as shown in Table 1 to hair and natural complexion.

[0017] the leaf of a beefsteak plant -- vitamin A and vitamin B2 vitamin C and a beefsteak plant -- an aldehyde (component of a scent), SHISONIN, and peri RANIN (coloring matter) are contained, and there is a use in circulation of cold (the ache of a throat, a weir, \*\*\*\*), allergic rhinitis, atopic dermatitis, the itching, ischemia, urination, killing, a painkiller, alleviation of fever, stomachic, sweating of excitability, neurosis, and blood, \*\*\*\*, bleeding, etc. The effect of the leaf of a beefsteak plant over hair and natural complexion is also shown in Table 1.



[0018] Fatty oil, protein, a carbohydrate, ash content (calcium, Lynn, etc.), the adenine, the choline, etc. are contained in black sesame, and an oil can be extracted by mashing. The effect of black sesame over hair and natural complexion is also shown in Table 1.

[0019] A hesperidin, BURINGIN, punch phosphorus, a limonene, vitamin A, vitamin C, the citric acid, and the tartaric acid are contained in the peel (pericarp) of a yuzu citron, among these a hesperidin has the work which strengthens a capillary, and a citric acid and a tartaric acid promote metabolism, are excellent in the recovery-from-fatigue force, and effective also for cosmetics. The effect of the peel of a yuzu citron over hair and natural complexion is also shown in Table 1.

[0020] Bitterness glycosides, such as swell thia marine \*\* cell thia marine \*\* flax loss ERIN and a gene CHIOPI clo side, are contained in the sialid (the sialid whole [ : ] flower-season entire plant of a flower season). it is clear by a bitterness glycoside's having a hair-growing operation and applying an alcoholic immersion liquid (sialid 5 : alcohol 100) that it is effective to the omission hair of autumn and a \*\*\*\*\* psilosis (wipe -- skin) The effect of a sialid over hair and natural complexion is also shown in Table 1.

[0021] Components, such as all [ of all / ginger / the zingerone (crystallinity) of a pungent condiment component and ] (oily) and an aroma component / SHITORANE /, a phellandrene, and a zingiberene, work effectively, and ginger (root) promotes work of the stomach and intestines, has sterilization, antibacterial, and perspiration, is useful for urination and the body becoming bloated and taking, and well effective against symptoms, such as cold generation of heat. Moreover, there is an effect also in female irregular menstruation, abdominalgia, and ischemia. The effect of ginger over hair and natural complexion is also shown in Table 1.

[0022] everything but the work which makes the skin beautiful at rice bran -- prevention of a psilosis or canities -- effective -- further -- \*\*\*\*(ing) -- etc. -- it is well effective also against a dermatosis The effect of rice bran over hair and natural complexion is also shown in Table 1.

[0023] A glycerol prevents generating of mold in the alcohol which extracted the active principle of a raw material while giving viscosity to hair fostering and a hair-growth agent.

[0024]

[Table 1]

原料	毛髪、地肌に対する効果
レモンの皮	禿を予防、発毛、育毛の促進
ハトムギの実	しみ、肌荒れを直す。皮膚の老廃物や正常でない細胞の排除、発毛作用、脱毛予防
アロエの葉	育毛作用、毛母細胞の再生、薄くなった毛髪の復活
ヨモギの葉	フケ、かゆみ予防、地肌に潤いを保つ（多糖類）、発毛作用
シソの葉	フケ、かゆみ予防、肌荒れ、皮膚炎防止、発毛作用
黒胡麻	抜け毛や傷んだ毛髪の回復、赤茶けた髪を黒くする
柚子の皮	毛細血管を強くする
センブリ	フケ、かゆみ予防、発毛作用
ショウガの根	殺菌作用、皮膚病の予防
米糠	殺菌作用、皮膚炎の予防、皮膚につやを出す
グリセリン	毛髪の艶出し。粘着性により、育毛・発毛剤を頭につけたときに、汗等で流れ落ちないようにする。

[0025] (Process of hair fostering and a hair-growth agent) The method in the case of manufacturing hair fostering and the hair-growth agent of this invention using 1000ml type A shochu is as follows. What was processed as each raw material was shown in Tables 2 and 3 (black sesame makes black sesame extractives beforehand) Only the amount used shown in this \*\* is put into 1000ml type A shochu, and 3% (it is 30ml in this case) of glycerol is added to type A shochu. For one - three months, It installs in the cool place which atmospheric temperature does not go up too much, and the extractives of each raw material are made to extract in type A shochu, the white distilled liquor (extract) with which the extractives were contained is filtered through a filter paper, it is mixed in the residue of the raw material after extractives extraction, or them, and dust etc. is removed.

[0026] A winter season is unextractable, although it is extractable, if sagebrush is applied to a summer from spring. Although an extractable stage is soaked in shell alcohol and extracts the active principle with other raw materials, an unextractable stage soaks in shell alcohol what was extracted in spring or the summer, extracts the active principle, and mixes the extract (extraction alcohol) with the alcohol (extraction alcohol) which extracted the active principle of other raw materials.

[0027]

[Table 2]

原料	処理方法	使用量
レモンの皮	丸ごと塩揉みした後、約30分水に漬けて塩分、防腐剤、ワックス等を除去し、水から出して水切りし、黄色の薄皮を剥き、その薄皮を約3時間水に漬ける（約1時間おき水を交換する）、水から取り出して水切りする。輸入レモンの場合は特に良く塩揉みする。搾った液を少量まぜることもできる	30 g
ハトムギの実	ボイルする。ボイルして乾燥してある市販品を使用することもできる	50 g
アロエの葉	水洗い後、適当な大きさに切って成分を出易くする	50 g
ヨモギの葉	水洗い後、10～15日間、陰干ししてカラカラに乾燥させる	5 g
シソの葉	水洗い後、日陰干しにして、しおれた状態にしてから細かく切る	10 g
黒胡麻エキス	黒胡麻を搾鉢内で油がにじむまで搾り、それに甲類アルコールを約1リットル入れて、どろりとした液状にし、濾過紙で濾過して黒胡麻エキスを作る	黒胡麻 5 g

[0028]

[Table 3]

原料	処理方法	使用量
柚子の皮	水洗いして、水切りしてから、黄色の薄皮のみを使用する。搾った液を少量まぜることもできる	30 g
センブリ	日干しにしてカラカラに乾燥させてから小さく切る	0.3 g
葉ショウガの根	薄切りにして5日間天日干しにし、カラカラに乾燥させる。	5 g
米糠	ガーゼで包んで甲類アルコールに入れる。	5 g

[0029] (Usage) The usage of the hair fostering and the hair-growth agent of this invention is directly sprayed on the part which became thin [ hair ] among the heads, and the bald part, or is attached to a

hand, is applied by hand, and massages a scalp. This will be performed several times (for example, a morning, daytime, an evening) on the 1st. It is important to make it a blemish not attached to a scalp, as it carries out on the back which performs a massage in the inside of a finger or has the radius of circle of a comb.

[0030] (Pharmacological test result) The pharmacological test result of the hair fostering and the hair-growth agent of this invention is as in Table 4 and Table 5. The state where it was bald before the examination of the examples 1-7 of an examination is shown in drawing 1 (a) - drawing 1 (g). The sign 1 in these drawings shows the bald portion, a sign 2 shows the portion in which hair has grown, and a sign 3 shows the birthmark of the shape of a sunspot of the example 4 of an examination. In order for the same conditions to compare all the examples of an examination, since it began to have attached hair fostering and the hair-growth agent of this invention, the elongation of the hair for less than four months and the state of a scalp were recorded in all the examples of an examination.

[0031]

[Table 4]

症例	年齢 性別	産毛、 毛根の有無	禿げ方、禿の範囲	育毛・発毛剤使用後の状態
1	43 男性	産毛及び毛 根有り	後頭部から前頭部付 近まで (図1a)	禿げていた箇所に約20日 で発毛、4か月で4~5cm に伸びた
2	68 男性	産毛多し、 毛根の跡有 り	前頭部から頭頂部付 近まで (図1b)	禿げていた箇所に1か月で 1cm発毛、4か月で4~ 5cmに伸びた
3	64 男性	産毛有り	頭頂部に円形の禿 (図1c)	禿げていた箇所に1~1. 5か月で1cm発毛、4か 月で4~5cmに伸びた
4	50 男性	産毛及び毛 根有り	右側頭部以外の広範 囲 (図1d)、黒点 状のあざ有り	禿げていた箇所に1か月で 1cm発毛、4か月で6cm に伸び、黒点状のあざが 消えた

[0032]

[Table 5]

症例	年齢 性別	産毛、 毛根の有無	禿げ方、禿の範囲	育毛・発毛剤使用後の状態
5	56 男性	産毛有り	頭頂部付近から後頭部まで (図1 e)	禿げていた箇所に1か月で1cm発毛、4か月で4cmに伸びた
6	65 男性	6~7mm の産毛有り	頭部全体が光り輝いていた (図1 f)	禿げていた箇所に1か月で産毛が生え、4か月で4cmに伸び、黒髪になった
7	58 女性	産毛も毛根 もなし	前頭部から頭頂部付近まで禿げており、側頭部、後頭部が白髪混じり (図1 g)	禿げていた箇所に1か月で黒髪が生え、側頭部、後頭部の白髪が黒化した。4か月で禿げていた箇所の髪が6~7cmに伸びた

[0033] (Example 1 of an examination in Table 4) The subject of the case 1 in Table 4 is a 43-year-old male. This man is bald from the back of the head to near the forehead section like drawing 1 (a), and downy hair remained in the bald part 1. When the downy hair was drawn out to the trial, the hair root had adhered to downy hair. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, black hair began to grow in the part 1 which was bald in 20 days, and it was extended even to 4-5cm in four months.

[0034] (Example 2 of an examination in Table 4) The subject of the case 2 in Table 4 is a 68-year-old male. It was in the state where downy hair remains in the part 1 which is bald toward the parietal region from the forehead section before the examination, and was bald mostly, and the marks of a hair root also remain like drawing 1 (b) in this man. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, 1cm black hair was extended in the part 1 which was bald in one month, and it was extended even to 4-5cm in four months.

[0035] (Example 3 of an examination in Table 4) The subject of the case 3 in Table 4 is a 64-year-old male. Like drawing 1 (c) in this man, it is circularly bald before the examination and downy hair remained in the bald part 1. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, 1cm black hair was extended by one month - 1 month and half in the part 1 which was bald, and it was extended even to 4-5cm in four months.

[0036] (Example 4 of an examination in Table 4) The subject of the case 4 in Table 4 is a 50-year-old male. It was in the state where there are many sunspot-like birthmarks 3 in the part 1 which downy hair and the hair root remain in the part 1 which parts other than a right-hand side head continued broadly, is bald before the examination, and was bald, and was bald like drawing 1 (d) in this man, and the hair of a right-hand side head was put on the part 1 which lengthened for a long time and was bald, and the hairstyle was prepared. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, 1cm black hair was extended in the part 1 which was bald in one month, and it was extended even to 6cm in four months.

[0037] (Example 5 of an examination in Table 5) The subject of the case 5 in Table 5 is a 56-year-old male. Like drawing 1 (e) in this man, it is bald from near the parietal region to the back of the head

before the examination, and downy hair remained in the bald part 1. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, 1cm black hair was extended in the part 1 which was bald in one month, and it was extended even to 4cm in four months.

[0038] (Example 6 of an examination in Table 5) The subject of the case 6 in Table 5 is a 65-year-old male. It was only that 6-7mm downy hair remains in the part 1 which is [ whole ] bald for whether it being \*\*\*\*\* before the examination, and was bald like drawing 1 (f) in this man. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, downy hair became black in one month, and black hair grew in four months.

[0039] (Example 7 of an examination in Table 5) The subject of the case 7 in Table 5 is a 58-year-old woman. Moreover, this woman of from the regio frontalis capitis to the parietal region is bald before the examination, and it was in whether it is \*\*\*\*\* and the state where it has shone, and the temporal region and the regio occipitalis capitis are canities mixture, and had equipped the regio frontalis capitis with the partial wig. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, black hair grew in the part 1 which was bald in one month, and the canities of the temporal region and the regio occipitalis capitis became black. The hair of the part 1 which was after [ four months ] bald could grow even to 6-7cm, can roll hair coloring now, and became unnecessary [ a partial wig ].

[0040] Even if it compared and was bald for whether it being \*\*\*\*\* so that the above example 1 of an examination - the example 7 of an examination might show, when even the hair root remained, by using hair fostering and the hair-growth agent of this invention showed hair growing or carrying out hair fostering.

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**TECHNICAL FIELD**

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[The technical field to which invention belongs] this invention relates to depilation (bald head) portions, such as the forehead section of people's head, the parietal region, and the back of the head, at hair fostering, and hair fostering and the hair-growth agent which can carry out hair growing.

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**PRIOR ART**

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[Description of the Prior Art] Depilation (bald head) of hair is a problem not only with a male but a serious woman. Therefore, from the former, various kinds of hair fostering or hair-growth agents are developed, and it is manufactured and sold.

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TECHNICAL PROBLEM

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[Problem(s) to be Solved by the Invention] However, a conventional hair-fostering agent or a conventional hair-growth agent cannot fully promote hair fostering and hair growing, and there is that [ no ] whose satisfaction is possible. Although a conventional hair-fostering agent and a conventional hair-growth agent were based also on affinity with those who use it, the side effect that became, it was influenced or inflammation was caused [ \*\*\*\* / that the head becomes itching /, and ] that it is easy to come out of popping and pitting might arise. / that a scalp will be ruined if it is used

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**MEANS**


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[Means for Solving the Problem] The purpose of this invention has hair fostering and good hair-growing efficiency, does not have the above side effects, and is to offer safe hair fostering and hair-growth agent.

[0005] As a result of this artificer's continuing for years about a psilosis in advance of development of this invention and repeating research wholeheartedly, it used to check that there are various symptoms as it was called the state where there was nothing with the state where there are various symptoms also in a bald head and the radix pili is in the head, the state which is not, and the state where there is downy hair, and paying attention to the existence of these symptoms, this invention used to be further completed for research in piles.

[0006] the 1st hair fostering and hair-growth agent of this invention -- alcohol -- the active principle of lemon and the aloe -- extraction or/-- and it mixes

[0007] the 2nd hair fostering and hair-growth agent of this invention -- alcohol -- the active principle of lemon, Coix lacryma-joli, and the aloe -- extraction or/-- and it mixes

[0008] the 3rd hair fostering and hair-growth agent of this invention -- alcohol -- any one or 2 or more active principles of sagebrush besides the active principle of lemon, Coix lacryma-joli, and the aloe, a beefsteak plant, black sesame, a yuzu citron, a sialid, ginger, rice bran, and a glycerol -- extraction or/-- and it mixes

[0009] The 4th hair fostering and hair-growth agent of this invention make alcohol the alcohol suitable for shell alcohol or drink.

[0010]

[Embodiments of the Invention] (Raw material) In this invention, the various vegetation (raw material) grown in the nature is put in two or more kinds into alcohol, a raw material is individually paid to shell alcohol, the component of the raw material is extracted, two or more sorts of these extracts are mixed [ the component of these raw materials is extracted or ], and it considers as hair fostering and a hair-growth agent.

[0011] The alcohol which is suitable for drink as alcohol used in this example, for example, shell alcohol, is suitable. The white distilled liquor marketed as drink fits shell alcohol. Since this kind of white distilled liquor is alcohol which used vegetation, such as barley, corn, \*\*, and \*\*\*\*\*, as the raw material, it does not have the bad influence or side effect over the skin. Shell alcohol makes the mothball of an extract possible by the germicidal action while extracting the component of the raw material paid to it. Although the frequency of shell alcohol can be chosen arbitrarily, the thing of about 21 - 22 degrees is suitable.

[0012] 1 in the root of the hide (pericarp) of lemon, the fruit (caryopsis) of Coix lacryma-joli, the leaf of the aloe (any of the KIDACHI aloe and AROEBERA are sufficient), the leaf (sagebrush or Artemisia capillaris is sufficient) of sagebrush, the leaf of a beefsteak plant, black sesame, the peel (pericarp) of a yuzu citron, a sialid (flower-season entire plant), and ginger, rice bran, a glycerol, etc. or 2 or more are used for a raw material. If required, raw materials other than these can also be used. The hide (pericarp) of lemon, the fruit (caryopsis) of Coix lacryma-joli, and the leaf of the aloe are surely added among

these.

[0013] Essential oil (d-limonene, a citral, acetic-acid geraniol, etc.), pectin, a limonin (amaroid), a glycoside, a citronellal, a terpineol, a hesperidin, etc. are contained in the hide (pericarp : yellow portion) of lemon. Among these, there is work which strengthens a capillary in a hesperidin. The hide of lemon has effect (work) as shown in Table 1 to hair and natural complexion.

[0014] the fruit (caryopsis) of *Coix lacryma-joli* -- starch, protein, a fat, ash content (Lynn, magnesium, a potassium, calcium, iron), a KOIKU SOL, and a carp -- peculiarity NORIDO, vitamin B1, etc. are contained. The component of this inner KOIKU SOL resembles aspirin, the metabolism of moisture is urged, blood is purified [ inflammation is calmed, or ], a stain and surface deterioration are cured, and there is work used as the beautiful skin with moderate grace. Furthermore, since a proteolytic enzyme (protease) is contained, there is also work which eliminates wastes and the cell which is not normal of the skin. The fruit (caryopsis) of *Coix lacryma-joli* has effect as shown in Table 1 to hair and natural complexion.

[0015] Within a human body, the essential amino acid (an arginine, a histidine, an isoleucine, a leucine, a lysine, a methionine, a phenylalanine, a threonine, tryptophan) which cannot be made, the amino acid concerning a protein metabolism, an anthrone glycoside, anthraquinone, etc. are contained in the leaf of the aloe (KIDACHI aloe and AROEBERA). Amino acid is required for reproduction restoration of a body organization. Furthermore, higher alcohol, such as iso barbaloin, aloin, barbaloin, aloe emodin, and beta-sitosterol, is also contained. Especially many these contents to the KIDACHI aloe are contained. The aloe has effect as shown in the \*\* table 1 for SHI at hair and natural complexion.

[0016] Essential oil, chlorophyll, various vitamins (A, B1, B-2, C, D, etc.), an enzyme, polysaccharide, a choline, \*\*, a mineral (a potassium, sodium, calcium, silicon, Lynn, iron, aluminum, magnesium, sulfur, chlorine), polysaccharide, etc. are abundantly contained in the leaf of sagebrush (*Artemisia capillaris* is included), and the effect of a medicine which was excellent also as an oral medicine also as a medicine for external application is shown in it. Since it has the property in which the polysaccharide contained in the leaf of sagebrush maintains moisture in external application, when attached to the skin, grace is kept long, and there is a use excellent in antipruritic, a bed sore, atopic dermatitis, etc. The leaf of sagebrush has effect as shown in Table 1 to hair and natural complexion.

[0017] the leaf of a beefsteak plant -- vitamin A and vitamin B2 vitamin C and a beefsteak plant -- an aldehyde (component of a scent), SHISONIN, and peri RANIN (coloring matter) are contained, and there is a use in circulation of cold (the ache of a throat, a weir, \*\*\*\*), allergic rhinitis, atopic dermatitis, the itching, ischemia, urination, killing, a painkiller, alleviation of fever, stomachic, sweating of excitability, neurosis, and blood, \*\*\*\*, bleeding, etc. The effect of the leaf of a beefsteak plant over hair and natural complexion is also shown in Table 1.

[0018] Fatty oil, protein, a carbohydrate, ash content (calcium, Lynn, etc.), the adenine, the choline, etc. are contained in black sesame, and an oil can be extracted by mashing. The effect of black sesame over hair and natural complexion is also shown in Table 1.

[0019] A hesperidin, BURINGIN, punch phosphorus, a limonene, vitamin A, vitamin C, the citric acid, and the tartaric acid are contained in the peel (pericarp) of a yuzu citron, among these a hesperidin has the work which strengthens a capillary, and a citric acid and a tartaric acid promote metabolism, are excellent in the recovery-from-fatigue force, and effective also for cosmetics. The effect of the peel of a yuzu citron over hair and natural complexion is also shown in Table 1.

[0020] Bitterness glycosides, such as swell thia marine \*\* cell thia marine \*\* flax loss ERIN and a gene CHIOPI clo side, are contained in the sialid (the sialid whole [ : ] flower-season entire plant of a flower season). it is clear by a bitterness glycoside's having a hair-growing operation and applying an alcoholic immersion liquid (sialid 5 : alcohol 100) that it is effective to the omission hair of autumn and a \*\*\*\*\* psilosis (wipe -- skin) The effect of a sialid over hair and natural complexion is also shown in Table 1.

[0021] Components, such as all [ of all / ginger / the zingerone (crystallinity) of a pungent condiment component and ] (oily) and an aroma component / SHITORANE /, a phellandrene, and a zingiberene, work effectively, and ginger (root) promotes work of the stomach and intestines, has sterilization, antibacterial, and perspiration, is useful for urination and the body becoming bloated and taking, and

well effective against symptoms, such as cold generation of heat. Moreover, there is an effect also in female irregular menstruation, abdominalgia, and ischemia. The effect of ginger over hair and natural complexion is also shown in Table 1.

[0022] everything but the work which makes the skin beautiful at rice bran -- prevention of a psilosis or canities -- effective -- further -- \*\*\*\*(ing) -- etc. -- it is well effective also against a dermatosis The effect of rice bran over hair and natural complexion is also shown in Table 1.

[0023] A glycerol prevents generating of mold in the alcohol which extracted the active principle of a raw material while giving viscosity to hair fostering and a hair-growth agent.

[0024]

[Table 1]

原料	毛髪、地肌に対する効果
レモンの皮	禿を予防、発毛、育毛の促進
ハトムギの実	しみ、肌荒れを直す。皮膚の老廃物や正常でない細胞の排除、発毛作用、脱毛予防
アロエの葉	育毛作用、毛母細胞の再生、薄くなった毛髪の復活
ヨモギの葉	フケ、かゆみ予防、地肌に潤いを保つ（多糖類）、発毛作用
シソの葉	フケ、かゆみ予防、肌荒れ、皮膚炎防止、発毛作用
黒胡麻	抜け毛や傷んだ毛髪の回復、赤茶けた髪を黒くする
柚子の皮	毛細血管を強くする
センブリ	フケ、かゆみ予防、発毛作用
ショウガの根	殺菌作用、皮膚病の予防
米糠	殺菌作用、皮膚炎の予防、皮膚につやを出す
グリセリン	毛髪の艶出し。粘着性により、育毛・発毛剤を頭につけたときに、汗等で流れ落ちないようにする。

[0025] (Process of hair fostering and a hair-growth agent) The method in the case of manufacturing hair fostering and the hair-growth agent of this invention using 1000ml type A shochu is as follows. What was processed as each raw material was shown in Tables 2 and 3 (black sesame makes black sesame extractives beforehand) Only the amount used shown in this \*\* is put into 1000ml type A shochu, and 3% (it is 30ml in this case) of glycerol is added to type A shochu. For one - three months, It installs in the cool place which atmospheric temperature does not go up too much, and the extractives of each raw material are made to extract in type A shochu, the white distilled liquor (extract) with which the extractives were contained is filtered through a filter paper, it is mixed in the residue of the raw material

after extractives extraction, or them, and dust etc. is removed.

[0026] A winter season is unextractable, although it is extractable, if sagebrush is applied to a summer from spring. Although an extractable stage is soaked in shell alcohol and extracts the active principle with other raw materials, an unextractable stage soaks in shell alcohol what was extracted in spring or the summer, extracts the active principle, and mixes the extract (extraction alcohol) with the alcohol (extraction alcohol) which extracted the active principle of other raw materials.

[0027]

[Table 2]

原料	処理方法	使用量
レモンの皮	丸ごと塩揉みした後、約30分水に漬けて塩分、防腐剤、ワックス等を除去し、水から出して水切りし、黄色の薄皮を剥き、その薄皮を約3時間水に漬ける（約1時間おき水を交換する）、水から取り出して水切りする。輸入レモンの場合は特に良く塩揉みする。搾った液を少量まぜることもできる	30g
ハトムギの実	ボイルする。ボイルして乾燥してある市販品を使用することもできる	50g
アロエの葉	水洗い後、適当な大きさに切って成分を出易くする	50g
ヨモギの葉	水洗い後、10～15日間、陰干ししてカラカラに乾燥させる	5g
シソの葉	水洗い後、日陰干しにして、しおれた状態にしてから細かく切る	10g
黒胡麻エキス	黒胡麻を搾鉢内で油がにじむまで搾り、それに甲類アルコールを約1リットル入れて、どろりとした液状にし、濾過紙で濾過して黒胡麻エキスを作る	黒胡麻 5g

[0028]

[Table 3]

原料	処理方法	使用量
柚子の皮	水洗いして、水切りしてから、黄色の薄皮のみを使用する。搾った液を少量まぜることもできる	30 g
センブリ	日干しにしてカラカラに乾燥させてから小さく切る	0.3 g
葉ショウガの根	薄切りにして5日間天日干しにし、カラカラに乾燥させる。	5 g
米糠	ガーゼで包んで甲類アルコールに入れる。	5 g

[0029] (Usage) The usage of the hair fostering and the hair-growth agent of this invention is directly sprayed on the part which became thin [ hair ] among the heads, and the bald part, or is attached to a hand, is applied by hand, and massages the scalp. This will be performed several times (for example, a morning, daytime, an evening) on the 1st. It is important to make it a blemish not attached to the scalp, as it carries out on the back which performs a massage in the inside of a finger or has the radius of circle of a comb.

[0030] (Pharmacological test result) The pharmacological test result of the hair fostering and the hair-growth agent of this invention is as in Table 4 and Table 5. The state where it was bald before the examination of the examples 1-7 of an examination is shown in drawing 1 (a) - drawing 1 (g). The sign 1 in these drawings shows the bald portion, a sign 2 shows the portion in which hair has grown, and a sign 3 shows the birthmark of the shape of a sunspot of the example 4 of an examination. In order for the same conditions to compare all the examples of an examination, since it began to have attached hair fostering and the hair-growth agent of this invention, the elongation of the hair for less than four months and the state of the scalp were recorded in all the examples of an examination.

[0031]

[Table 4]

症例	年齢 性別	産毛、 毛根の有無	禿げ方、禿の範囲	育毛・発毛剤使用後の状態
1	43 男性	産毛及び毛 根有り	後頭部から前頭部付 近まで（図1a）	禿げていた箇所に約20日 で発毛、4か月で4～5c mに伸びた
2	68 男性	産毛多し、 毛根の跡有 り	前頭部から頭頂部付 近まで（図1b）	禿げていた箇所に1か月で 1cm発毛、4か月で4～ 5cmに伸びた
3	64 男性	産毛有り	頭頂部に円形の禿 （図1c）	禿げていた箇所に1～1. 5か月で1cm発毛、4か 月で4～5cmに伸びた
4	50 男性	産毛及び毛 根有り	右側頭部以外の広範 囲（図1d）、黒点 状のあざ有り	禿げていた箇所に1か月で 1cm発毛、4か月で6c mに伸び、黒点状のあざが 消えた

[0032]

[Table 5]

症例	年齢 性別	産毛、 毛根の有無	禿げ方、禿の範囲	育毛・発毛剤使用後の状態
5	56 男性	産毛有り	頭頂部付近から後頭 部まで（図1e）	禿げていた箇所に1か月で 1cm発毛、4か月で4c mに伸びた
6	65 男性	6～7mm の産毛有り	頭部全体が光り輝い ていた（図1f）	禿げていた箇所に1か月で 産毛が生え、4か月で4c mに伸び、黒髪になった
7	58 女性	産毛も毛根 もなし	前頭部から頭頂部付 近まで禿げており、 側頭部、後頭部が白 髪混じり（図1g）	禿げていた箇所に1か月で 黒髪が生え、側頭部、後頭 部の白髪が黒化した。4か 月で禿げていた箇所の髪が 6～7cmに伸びた

[0033] (Example 1 of an examination in Table 4) The subject of the case 1 in Table 4 is a 43-year-old male. This man is bald from the back of the head to near the forehead section like drawing 1 (a), and downy hair remained in the bald part 1. When the downy hair was drawn out to the trial, the hair root had adhered to downy hair. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, black hair began to grow in the part 1 which was bald in 20 days, and it was extended even to 4-5cm in four months.

[0034] (Example 2 of an examination in Table 4) The subject of the case 2 in Table 4 is a 68-year-old male. It was in the state where downy hair remains in the part 1 which is bald toward the parietal region from the forehead section before the examination, and was bald mostly, and the marks of a hair root also remain like drawing 1 (b) in this man. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, 1cm black hair was extended in the part 1 which was bald in one month, and it was extended even to 4-5cm in four months.

[0035] (Example 3 of an examination in Table 4) The subject of the case 3 in Table 4 is a 64-year-old male. Like drawing 1 (c) in this man, it is circularly bald before the examination and downy hair remained in the bald part 1. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, 1cm black hair was extended by one month - 1 month and half in the part 1 which was bald, and it was extended even to 4-5cm in four months.

[0036] (Example 4 of an examination in Table 4) The subject of the case 4 in Table 4 is a 50-year-old male. It was in the state where there are many sunspot-like birthmarks 3 in the part 1 which downy hair and the hair root remain in the part 1 which parts other than a right-hand side head continued broadly, is bald before the examination, and was bald, and was bald like drawing 1 (d) in this man, and the hair of a right-hand side head was put on the part 1 which lengthened for a long time and was bald, and the hairstyle was prepared. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, 1cm black hair was extended in the part 1 which was bald in one month, and it was extended even to 6cm in four months.

[0037] (Example 5 of an examination in Table 5) The subject of the case 5 in Table 5 is a 56-year-old male. Like drawing 1 (e) in this man, it is bald from near the parietal region to the back of the head before the examination, and downy hair remained in the bald part 1. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, 1cm black hair was extended in the part 1 which was bald in one month, and it was extended even to 4cm in four months.

[0038] (Example 6 of an examination in Table 5) The subject of the case 6 in Table 5 is a 65-year-old male. It was only that 6-7mm downy hair remains in the part 1 which is [ whole ] bald for whether it being \*\*\*\*\* before the examination, and was bald like drawing 1 (f) in this man. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, downy hair became black in one month, and black hair grew in four months.

[0039] (Example 7 of an examination in Table 5) The subject of the case 7 in Table 5 is a 58-year-old woman. Moreover, this woman of from the forehead section to the parietal region is bald before the examination, and it was in whether it is \*\*\*\*\* and the state where it has shone, and the both-sides-of-the-head section and the back of the head are white hair mixture, and had equipped the forehead section with the partial wig. In this case, when it continued attaching hair fostering and the hair-growth agent of this invention according to the aforementioned usage, black hair grew in the part 1 which was bald in one month, and the white hair of the both-sides-of-the-head section and the back of the head became black. The hair of the part 1 which was after [ four months ] bald could grow even to 6-7cm, can roll hair coloring now, and became unnecessary [ a partial wig ].

[0040] Even if it compared and was bald for whether it being \*\*\*\*\* so that the above example 1 of an examination - the example 7 of an examination might show, when even the hair root remained, by using hair fostering and the hair-growth agent of this invention showed hair growing or carrying out hair fostering.



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~~DESCRIPTION OF DRAWINGS~~

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[Brief Description of the Drawings]

[Drawing 1] (a) - (g) is explanatory drawing showing the state of the hair of the subject before the examination in the example 1 of an examination - the example 7 of an examination.

[Description of Notations]

1 Bald Part

2 Part Where Hair Remains

3 Sunspot-like Birthmark

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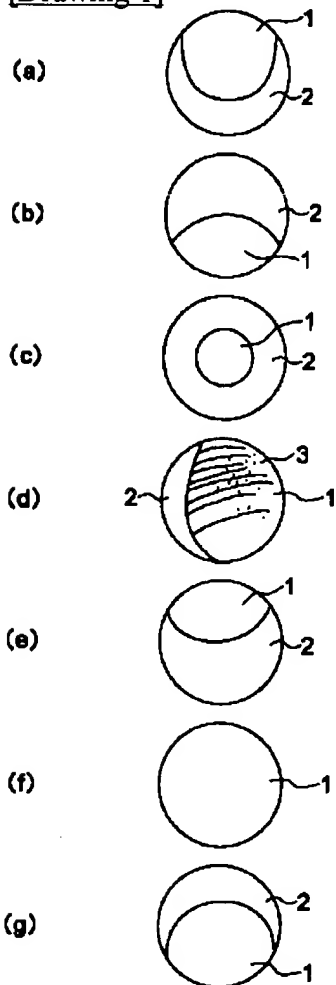
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**DRAWINGS**

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[Drawing 1]



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